

264-682

10-25-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Karl W. Muenks  
Manager, Regulatory Affairs  
Aventis CropScience  
2 TW Alexander Drive  
Research Triangle Park, NC 27709

OCT 25 2001

Dear Mr. Muenks:

Subject: RICESTAR® Herbicide  
EPA Registration No. 264-682  
Your Letter Dated October 10, 2001, Request Revisions  
of Labeling of Subject Pesticide Product, by Amendment  
of Registration: To Clarify Labeling with Restrictive  
Statements, Add New Tankmix Partners, Command® 3ME  
Herbicide, Facet® 75 DF Herbicide and Whip® 360  
Herbicide with Limitations on Use of Ricestar  
Herbicide in Tankmix with Whip 360 Herbicide

The proposed amendments to the subject pesticide product registration has been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

1. Delete the statements: "For grass weeds that are in the 1-2 leaf stage of growth, apply Ricestar® at 13 ozs/A." and "When grass weeds reach the 3 leaf stage, Ricestar® should be tankmixed at 17 ozs/A." This information is given on previous page under "Rates and Grass Weeds Controlled".
2. Rewrite the next sentence to read: "When tankmixing Ricestar® Herbicide and Whip® 360 Herbicide do not exceed a combined total of 17 fl ozs/A per application or a combined total of 30 fl. ozs/A per crop year."
3. Rewrite the second bullet to read: "Do not apply more than 30 fl ozs/A Ricestar® Herbicide per crop year. Do not apply more than 2 applications per crop year."
4. Rewrite the fourth bullet to read: "Do not exceed a combined total of 17 fl ozs/A per application; and a combined total of 30 fl. ozs/A per crop year."
5. Delete and replace bullets 12 and 13 with the following statement: "Tank mixing of Ricestar® Herbicide is restricted to only the products listed under "Tankmixing Partners" section on this label. Mixing with any other pesticide product or liquid fertilizers may result in reduced weed control or crop injury."

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6. Submit one (1) copy of the final printed label prior to your shipment of this pesticide product under the revised enclosed stamped label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment under this labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Please be advised, your applications for registration must conform with the EPA "General Information on Applying for Registration of Pesticides in the United States" Second Editions, August, 1992. Please always use EPA application Form 8570-1 completed in required detail. One of the copies of revised labeling must be high-lighted showing all changes from the previous label submitted. The use of trademarks must be used when the trademarked name first appears on the label, there after it may be omitted. Either use ® or ™, but be consistent. All pages of labeling must be numbered for reference purposes in label reviews by this Agency.

Sincerely yours,

*Eugene M. Wilson*  
for Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

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# Ricestar<sup>TM</sup> Herbicide

## For the Selective Postemergence Control of Annual Grasses in Rice

ACTIVE INGREDIENT: fenoxaprop-p-ethyl: (+)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy] phenoxy]propanoate <sup>1</sup> .....	6.70%*
INERT INGREDIENTS: .....	93.30%**
TOTAL 100.00%	

\*Equivalent to 0.58 pound of fenoxaprop-p-ethyl (d-isomer) per gallon.

\*\*Contains petroleum distillates

<sup>1</sup> Protected by U.S. Patent No. 5,254,527

EPA Reg No. 264-682

EPA Est. No. 000264-CAN-001

## KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-888-AVENTIS (1-888-283-6847)

### FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>For <u>MEDICAL</u> Emergencies Call 24 Hours A Day 1-800-334-7577.</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants, protective eyewear, shoes and socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

##### ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.40(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

OCT 25 2001

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.**

264-682

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the pesticide off of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, shrimp and oysters. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark except as indicated in the directions for use on rice. Do not contaminate arable land and/or water when disposing of equipment wash water or rinsate.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Keep container tightly closed when not in use. Avoid cross contamination with other pesticides.

Do not store over 100°F or below 32°F. Do not use or store near heat or open flame.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Empty containers must be triple rinsed into the spray tank during the spray operation; then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

Ricestar™ Herbicide is an emulsifiable concentrate for the selective postemergence control of annual grass weeds in rice. Thorough spray coverage of emerged grasses is important. Visible effects begin as a general chlorosis (yellowing) followed by death of the weed. Visible injury of the grasses is evident approximately 4 to 10 days after application (dependent upon environmental conditions); but complete kill of the target grass will take up to 21 days.

Since many grass crops, including sorghum and corn, are sensitive to Ricestar™ Herbicide, avoid all direct or indirect contact to neighboring fields.

Ricestar™ Herbicide does not control broadleaf weeds or sedges.

Rice is tolerant to postemergence applications of Ricestar™ Herbicide from the 1-leaf to the late tillering stage of rice development.

### CHEMIGATION

DO NOT apply this product through any type of irrigation system.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply until you have read the entire label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; waterproof gloves; shoes plus socks.

### INFORMATION ON HERBICIDE TOLERANT WEEDS

Repeated use of the same herbicide or related herbicides may result in naturally tolerant weeds multiplying to infestations that will affect yields. In areas with consistent use of the same herbicide or herbicide mode of action, crop rotation and applications of alternative herbicides with different mode of actions are encouraged to prevent and/or reduce grass tolerance. For further information, contact an Aventis CropScience Company representative or your local State extension service. Do not apply to weeds that are tolerant to products that have the same mode of action. i.e., Fusilade® DX Herbicide, Assure® II Herbicide or Select® 2 EC Herbicide.

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## DIRECTIONS AND INFORMATION FOR CULTURE OF RICE IN ARKANSAS, LOUISIANA, MISSISSIPPI, MISSOURI, AND TEXAS

### APPLICATION INFORMATION

Rice fields should be as level as possible and free of large clods to obtain uniform germination of rice and weed grasses and to ensure uniform flood levels. Do not apply when the grass weeds are drought stressed as control will be reduced. If necessary, fields may be flushed prior to treatment. If fields are flushed prior to treatment, flush in sufficient time so that the rice and grass are actively growing at time of treatment.

- A. **Ground Application:** Refer to the *Rates and Weeds Controlled* table for proper application rates. Ricestar™ Herbicide should be applied in a minimum of 10 gallons of water per broadcast acre. Flat-fan nozzles are recommended. Use a minimum pressure of 30 psi. Under dense weed/crop canopies, higher spray pressure and increased gallonage are important in obtaining thorough spray coverage.
- B. **Air Application:** Apply aerially using a minimum of 10 gallons of water per broadcast acre. Increase the gallonage to obtain thorough coverage when a dense weed canopy is present. Uniform spray coverage is essential when using aircraft and is achieved by the use of a spray droplet size ranging from 150 to 300 microns. A hydraulic boom-nozzle system that will apply 10 gallons of water per acre with a minimum pressure of 20 psi is recommended. Best results are obtained with D-8 nozzles. **DO NOT USE** raindrop nozzles. Aerial applications with this product should be made at a height which provides the most effective swath width for the aircraft, but no lower than 10 feet from the rice crop.

**DO NOT APPLY** when wind speeds exceed 10 mph. Avoid all direct or indirect contact to neighboring fields.

### Special Notes for Aerial Application

1. Thoroughly clean mixing vat and airplane by rinsing with clean water before Ricestar™ Herbicide is added.
2. It is important to calibrate the spray equipment before applying Ricestar™ Herbicide.
3. A flow meter is recommended to obtain proper water volume (gpa).

### TIMING OF APPLICATION

#### Preflood

When recommended water management practices are followed (see *Water Management -Important Instructions* section), optimal conditions for controlling grass usually occur when the rice is in the 1-leaf to early tillering stage of development (but prior to panicle initiation). However, applications should be made according to the following chart:

### Rates and Grass Weeds Controlled

Grass Species	Fluid Ounces of Ricestar™ Herbicide Per Acre	
	1-to 2-leaf stage of grass weeds	3-to 4-leaf stage of grass weeds
Barnyardgrass, (watergrass) ( <i>Echinochloa crusgalli</i> )		
Broadleaf signalgrass ( <i>Brachiaria platyphylla</i> )		
Fall panicum ( <i>Panicum dichotomiflorum</i> )	13	17
Johnsongrass, seedling ( <i>Sorghum halepense</i> )		
Sprangletop ( <i>Leptochloa spp.</i> )		

### WATER MANAGEMENT – IMPORTANT INSTRUCTIONS

**THE FOLLOWING PADDY FLOOD PROGRAM MUST BE USED:**

Rice fields must be level. If desirable, fields may be flushed prior to treatment. To expose existing grasses, allow sufficient time for water to drain from the field before the Ricestar™ Herbicide application. Allow at least 24 hours following the application of Ricestar™ Herbicide before the initiation of the paddy flood.

#### POST-FLOOD: SUPPRESSION PROGRAMS

Ricestar™ Herbicide will suppress annual grass weeds after the first tiller stage when applied post-flood. For post-flood applications, the rice plants should have at least one tiller and the water level should cover no more than 25% of the annual grass weed foliage. The flood may be increased to a normal depth 2 to 3 days after the application. Thorough coverage is essential.

For dense stands of barnyardgrass (watergrass), follow the Ricestar™ Herbicide application 7 to 10 days later with an application of Ordram® 8E Herbicide. Follow the Ordram® 8E Herbicide label for use directions.

### MIXING INSTRUCTIONS

Fill the spray tank half full with water while the agitator is running. Add the recommended amount of Ricestar™ Herbicide followed by the appropriate amount of the tank mix component (if used). Then add the remaining amount of water.

### SEQUENTIAL APPLICATIONS

In preflood applications, a new flush of weeds may occur before the field receives the permanent flood; therefore, other herbicide applications may be required. **DO NOT** make a second application of Ricestar™ Herbicide within 14 days of the first application.

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## Tankmix Recommendation

For broad spectrum weed control, Ricestar™ Herbicide may be tankmixed with other herbicides. Refer to the tankmix partner list that identifies potential mixture partners. Apply tankmixes with Ricestar™ Herbicide before the annual grasses have passed the 3 leaf stage of growth. Do not tankmix Ricestar™ Herbicide with any other product when the grasses have exceeded the 3 leaf stage. When tankmixing, follow the directions for use on the label of the mixing partner.

## Tankmix Partners

### Product

- Aim™ Herbicide
- Basagran® Herbicide
- Bolero® 8EC Herbicide
- Command 3ME Herbicide
- Facet 75 DF Herbicide
- Londax® Herbicide
- Permit® Herbicide
- Prowl® 3.3 EC Herbicide
- Storm® Herbicide
- Whip® 360 Herbicide

For grass weeds that are in the 1-2 leaf stage of growth, apply Ricestar™ at 13 ozs/A. When grass weeds reach the 3 leaf stage, Ricestar™ should be tankmixed at 17 ozs/A. A tankmix of Ricestar™ Herbicide and Whip® 360 Herbicide must not exceed a total of 17 fl. oz/A per application and a total of 30 fl. oz/A per year of any combination of these two products. Do not apply when the weed grasses are drought stressed as their control will be reduced. Increase pressure and volume of spray for thorough coverage when weed grasses are dense.

## ROTATIONAL CROP RESTRICTION

Rice fields treated with Ricestar™ may only be replanted with rice any time after application or with soybeans not earlier than 9 months after the last application of Ricestar™.

## USE PRECAUTIONS

- Rainfall within one hour of an application may reduce grass weed control.
- Do not exceed the maximum amount of Ricestar™ Herbicide per growing season of 30 ounces. No more than 2 applications are recommended per growing season.
- A second application of Ricestar™ Herbicide may be made 14 days after the first application if necessary.
- Tank mixtures of Ricestar™ Herbicide and Whip® 360 must not exceed a total of 17 fl. oz/A per application and a total of 30 fl. oz/A per year of any combination of these two products.
- Ricestar™ Herbicide can be applied to rice from the 1-leaf stage to the late tillering stage of development but before panicle initiation.
- ALWAYS clean spray system thoroughly with clean water before and after any pesticide application.
- Do not graze or feed rice straw to livestock.
- Do not apply Ricestar™ Herbicide to fields where catfish and crayfish are commercially cultured.
- Do not use water treated with Ricestar™ Herbicide to irrigate crops not registered for use with Ricestar™ Herbicide within 14 days of the last application of this product.
- Do not apply Ricestar™ Herbicide within 65 days of harvesting rice.
- Applications of Ricestar™ Herbicide made during periods of low humidity (below 50%) or to grass weeds under drought stress may result in reduced control.
- Tank mixing Ricestar™ Herbicide with emulsifiable concentrate formulations of propanil herbicides may result in reduced weed control.
- Tank mixing Ricestar™ Herbicide with Ordram® 8E Herbicide, Grandstand™ Herbicide, phenoxy herbicides, liquid fertilizers or methyl parathion may result in reduced weed control or crop injury.
- Do not apply Ricestar™ Herbicide within 48 hours of an application of methyl parathion.
- Do not apply Ricestar™ Herbicide to soils with high alkalinity or salinity content.

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### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aventis CropScience. All such risks shall be assumed by the user or buyer.

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**Net Contents: 2.5 Gallons**

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Ricestar™ Herbicide (PENDING) – Submitted 10/8/01